

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



19 JAN 2005



(43) International Publication Date
29 January 2004 (29.01.2004)

PCT

(10) International Publication Number
WO 2004/009666 A2

(51) International Patent Classification⁷: C08G

#201-803, Doonsan-dong, Suh-ku, Daejons 302-736 (KR).
CHOI, Byung, Hyune [KR/KR]; 963-4 Bangbae-dong,
Seocho-ku, Seoul 137-846 (KR). **CHUNG, Hyun-Ho**
[KR/US]; 10590 Gaylemon Lane, San Diego, CA 92130
(US).

(21) International Application Number: PCT/US2003/022772

(74) Agent: **REITER, Stephen, E.**; Foley & Lardner, P.O. Box
80278, San Diego, CA 92138-0278 (US).

(22) International Filing Date: 18 July 2003 (18.07.2003)

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,
SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(26) Publication Language: English

(30) Priority Data: 60/397,319 19 July 2002 (19.07.2002) US

(63) Related by continuation (CON) or continuation-in-part
(CIP) to earlier application:

US 60/397,319 (CON)
Filed on 19 July 2002 (19.07.2002)

(71) Applicants (for all designated States except US): **THE
REGENTS OF THE UNIVERSITY OF CALI-
FORNIA** [US/US]; 9500 Gilman Drive, La Jolla, CA
92093-0910 (US). **LG LIFE SCIENCES** [KR/KR]; 104-1
Moonji-dong, Yusung-ku, Daejon 305-380 (KR).

(72) Inventors; and

Published:
— without international search report and to be republished
upon receipt of that report

(75) Inventors/Applicants (for US only): **GOODMAN,**
Murray [US/US]; 9760 Blackgold Road, La Jolla, CA
92037 (US). **SEONG, Churl, Min** [KR/KR]; Expo Apt.
402-1033, Junmin-dong, Yusong, Taejon 305-761 (KR).
HARMS, Guido [DE/DE]; Jacksted 3, 26409 Wittmund
(DE). **MIN, Changhee** [KR/KR]; Kum-na-mu Apartment

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

WO 2004/009666 A2

(54) Title: DENDRIMERS AS MOLECULAR TRANSLOCATORS

(57) Abstract: Transport molecules include a dendrimer and a biologically active molecule. The dendrimer of such transport molecules includes at least one guanidine group, at least one protonated guanidine group, at least one protected guanidine group, at least one amidine group, at least one protonated amidine group, at least one protected amidine group, at least one ureido group, at least one protonated ureido group, at least one protected ureido group, at least one thioureido group, at least one protonated thioureido group, or at least one protected thioureido group. The biologically active molecule is bonded to the dendrimer. A method of increasing the bioavailability of a drug includes bonding the drug to a dendrimer of the invention.

(19) World Intellectual Property Organization
International Bureau



19 JAN 2005

(10) International Publication Number
WO 2004/009666 A3

(43) International Publication Date
29 January 2004 (29.01.2004)

PCT

(51) International Patent Classification⁷: **A61K 47/48**

[KR/US]; 10590 Gaylemon Lane, San Diego, CA 92130 (US).

(21) International Application Number:

PCT/US2003/022772

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(22) International Filing Date: **18 July 2003 (18.07.2003)**

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(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/397,319 **19 July 2002 (19.07.2002)** US

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:

US **60/397,319 (CON)**
Filed on **19 July 2002 (19.07.2002)**

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
10 June 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/009666 A3

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/22772

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 47/48

US CL : 424/78.17

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 424/78.17, 78.27; 524/001

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WEST, CAS Online

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,177,414 A (TOMALIA et al) 23 January 2001 (23.01.2001), see entire document.	1-12
A	US 6,190,650 A (MATTHEWS et al) 20 February 2001 (20.02.2001), see entire document.	1-12
A	US 6,306,993 A (ROTHBARD et al) 23 October 2001 (23.10.2001), see entire document.	1-12

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See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

01 March 2004 (01.03.2004)

Date of mailing of the International Search report

16 APR 2004

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703)305-3230

Authorized officer

David Lukton

Telephone No. 571/272-1600